



MISSOURI BOTANICAL GARDEN

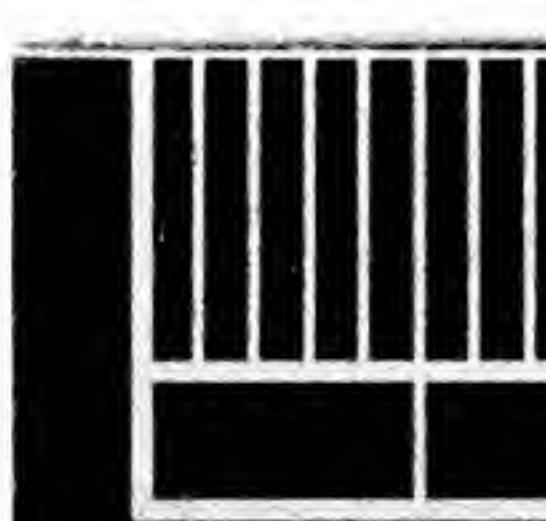
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Solanaceae



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MISSOURI
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pale whitish 4 Physalis fl. no spots
rose colored 4 Physalis

vertigom. Don't
23 Sept

lack for Desv. Anz., lepidot, 2 styles (or 8?)



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MISSOURI
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GARDEN

Joey Maule has obs.

p. 739.

P. viscosa (Pennsylvaniæ & ⁴
heterophylle ræs
angustædae dum.
P. angulata L. ⁰
? *Ph. Ladephora*
P. pubescens L. ⁰

Chapman Flora has.

p. 350

P. viscosa L (Pennsylvaniæ < ⁴
heterophylle ræs
P. laevigata Mx (Elliottii King, ⁴
near Cedar Ctr.
P. angustifolia Nutt. Flora ⁴
P. angulata L ⁰
P. pubescens L (hirsuta Des ⁰
pubescens Elle
obscur. Nutt.

South-West Corner of Fifth and Market Streets.

DRUGGISTS,
LITH & CO.



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Flor. Amer. br.

I. Siamese

1. *Ph. viscosa* L.
3. ~ *Peasgoardia* L.
4. ~ *tomentosa* Willd.
5. ~ *Jugurthi* Link. (*viscosa* Jacq. Pursh)
10. ~ *canescens* Michx.
13. ~ *Elliotti* Kunzea ^{Alkekini; digitalifolia} Don. & Benth.
15. ~ *heterophylla* Nees ^{lanceolata} fide Clapp. H. ¹⁵³
or = *mentana* L. ^{lanceolata} Pursh

1852

vertic

II. Siamese cal. pubifl. clausa

17. ~ *hystragosa* Don. n. sp. (obscuration)
21. ~ *ordoides* pubescens Don. n. sp. (obscure var Pursh)
24. ~ *glabra*, Brum. - Calif., San Joaquin.
25. ~ *canescens* Willd. Calif. Bay of Magdalena
33. ~ *hirsuta* Don. n. sp. (angustata, Willd. to pubescens Willd.)
34. ~ *pubescens* Lin.
37. ~ *angustifolia* Nutt. var. Arkansas. Trans Am Phil Soc
41. ~ *angustifolia* Lin. (Cal & Wash.) ⁵⁻¹⁹³ ^{DC. Ark}
cal. pubifl. apter. ⁴

46. ~ *Ph. Cardophora* Lam.

non Solis notar.

53. ~ *angustifolia* Nutt. Flora
50. ~ *williamsii* Nutt. Caroliniana

— overlooked: Benth 153

Ph. lobata Torr. Ann. Ly. N.Y. 2. 226 = *Solan. latifolium* Don
— *pumila* Nutt. Ann. Phil 5. 193. Pl. 44 p. 64
— *cardophylla* Don. Benth 153
— *mollis* Nutt. Do. Phil 192. Pl. 44

Ph. angustifolia Nutt. Aug. R. p. 350 ⁴

Belongs in *Prothomus*, 11

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Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.
APOTHECARY & PHARMACEUTIST
ALEX. LEITCH.



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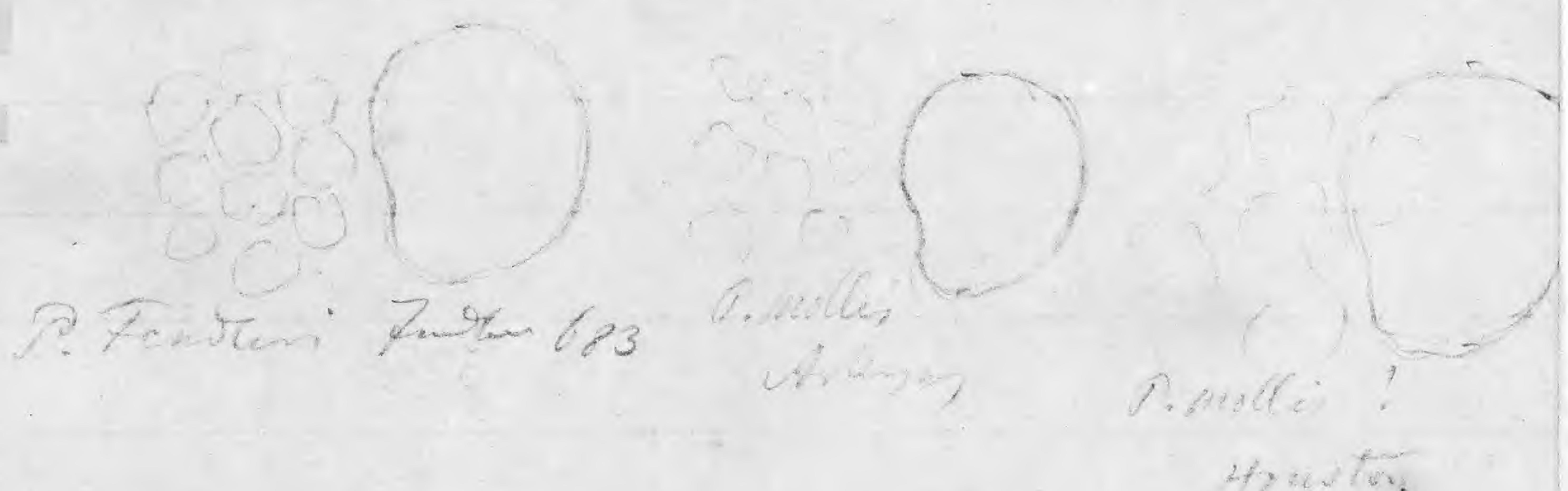
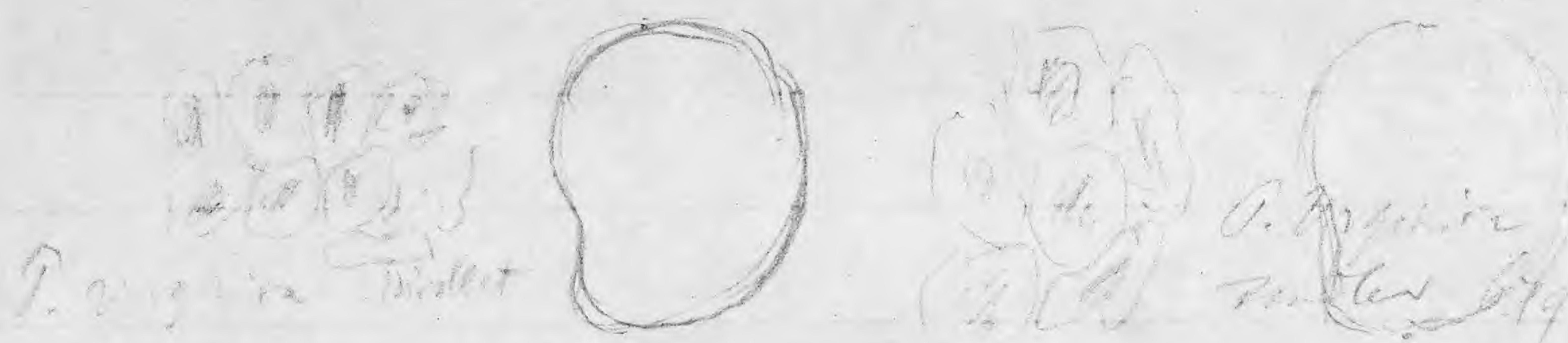
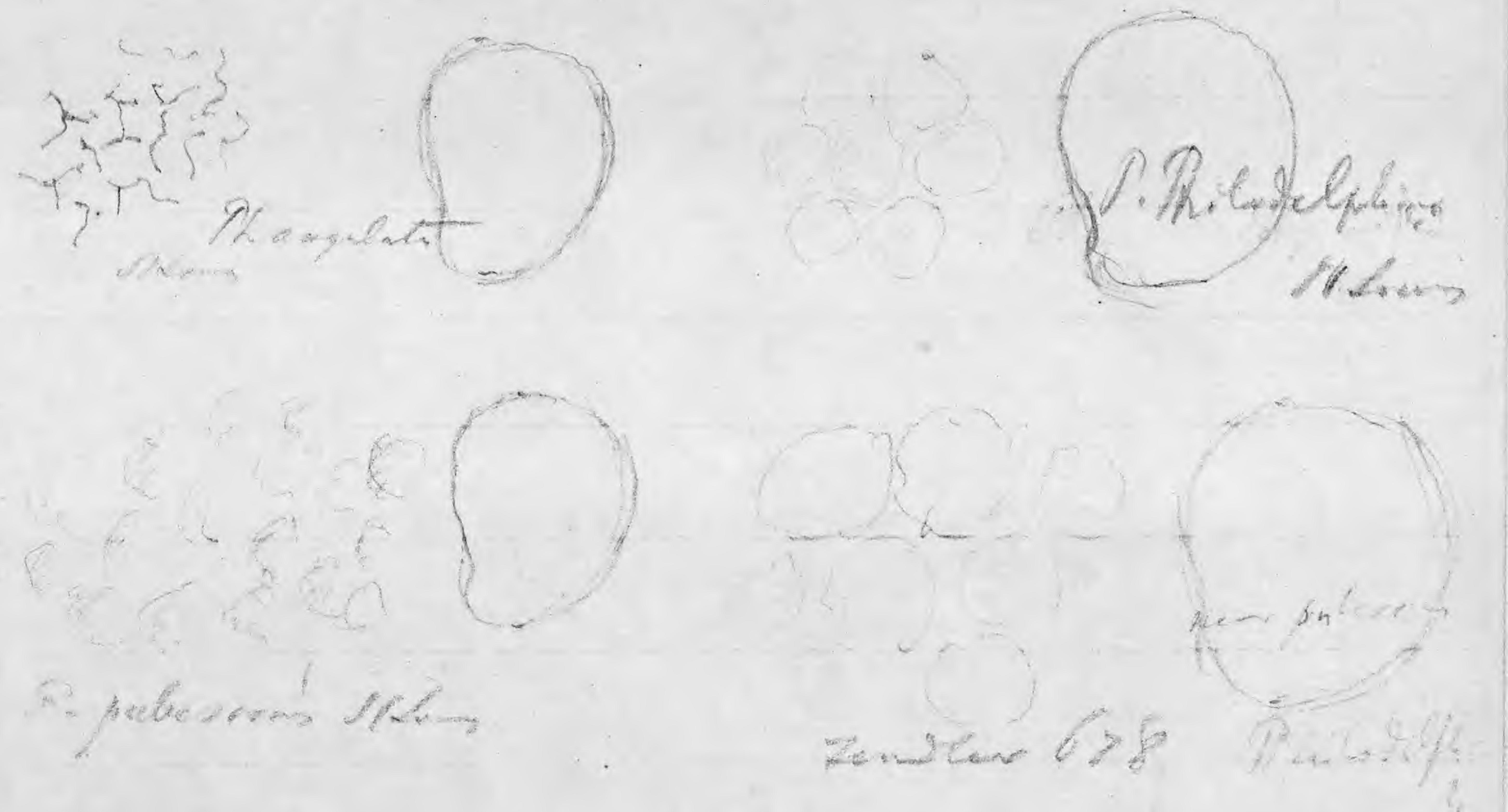
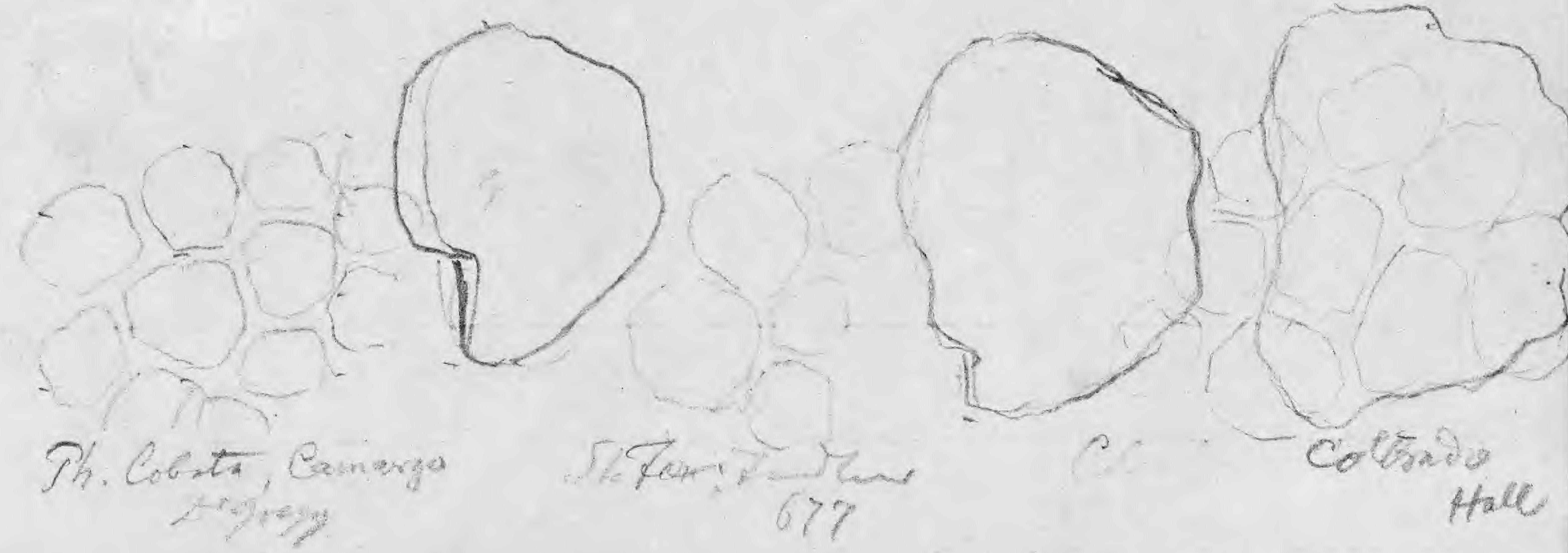


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Thyselia size of seeds (x10) & surface markings

April 11 1875

x60



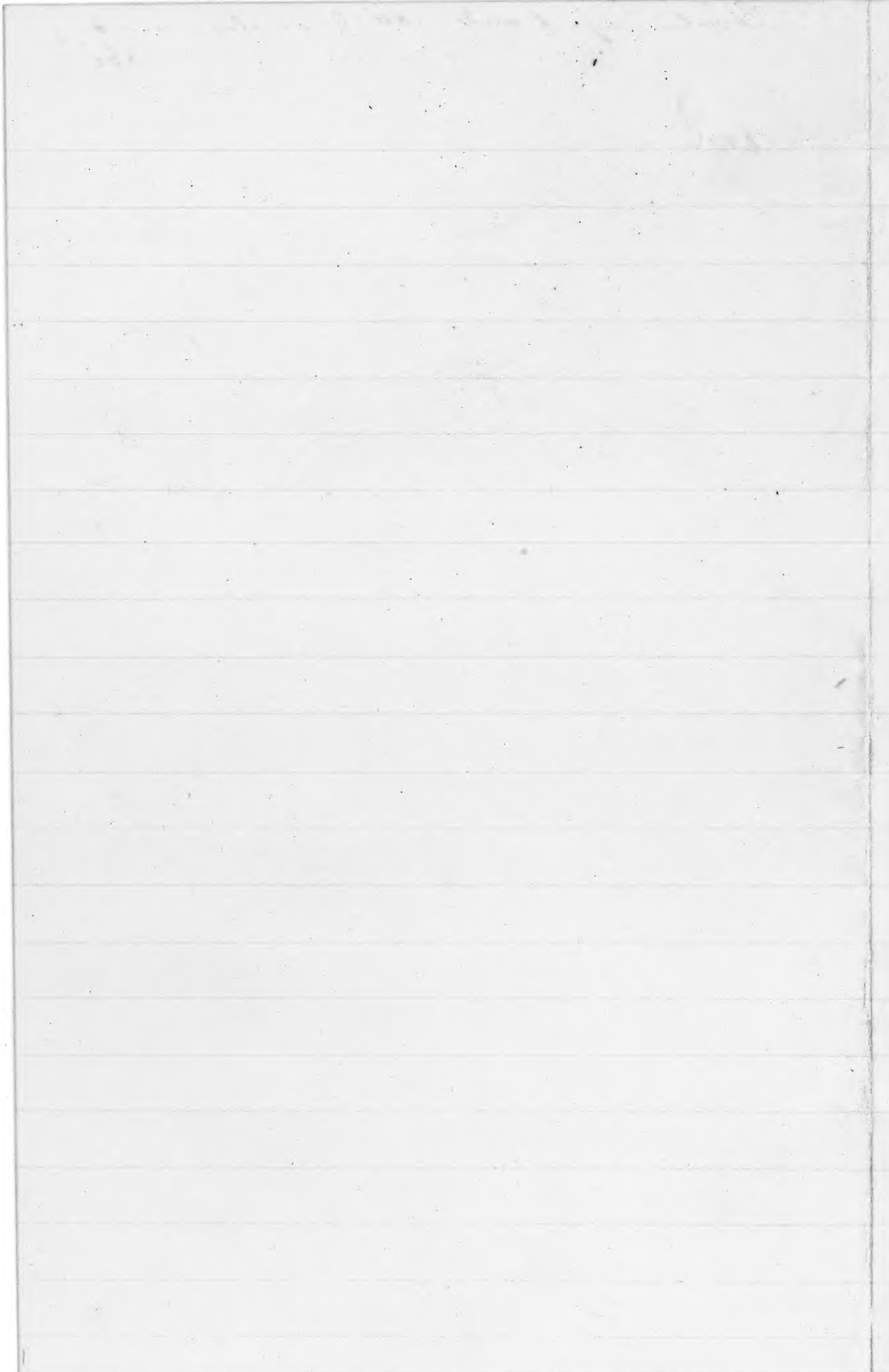
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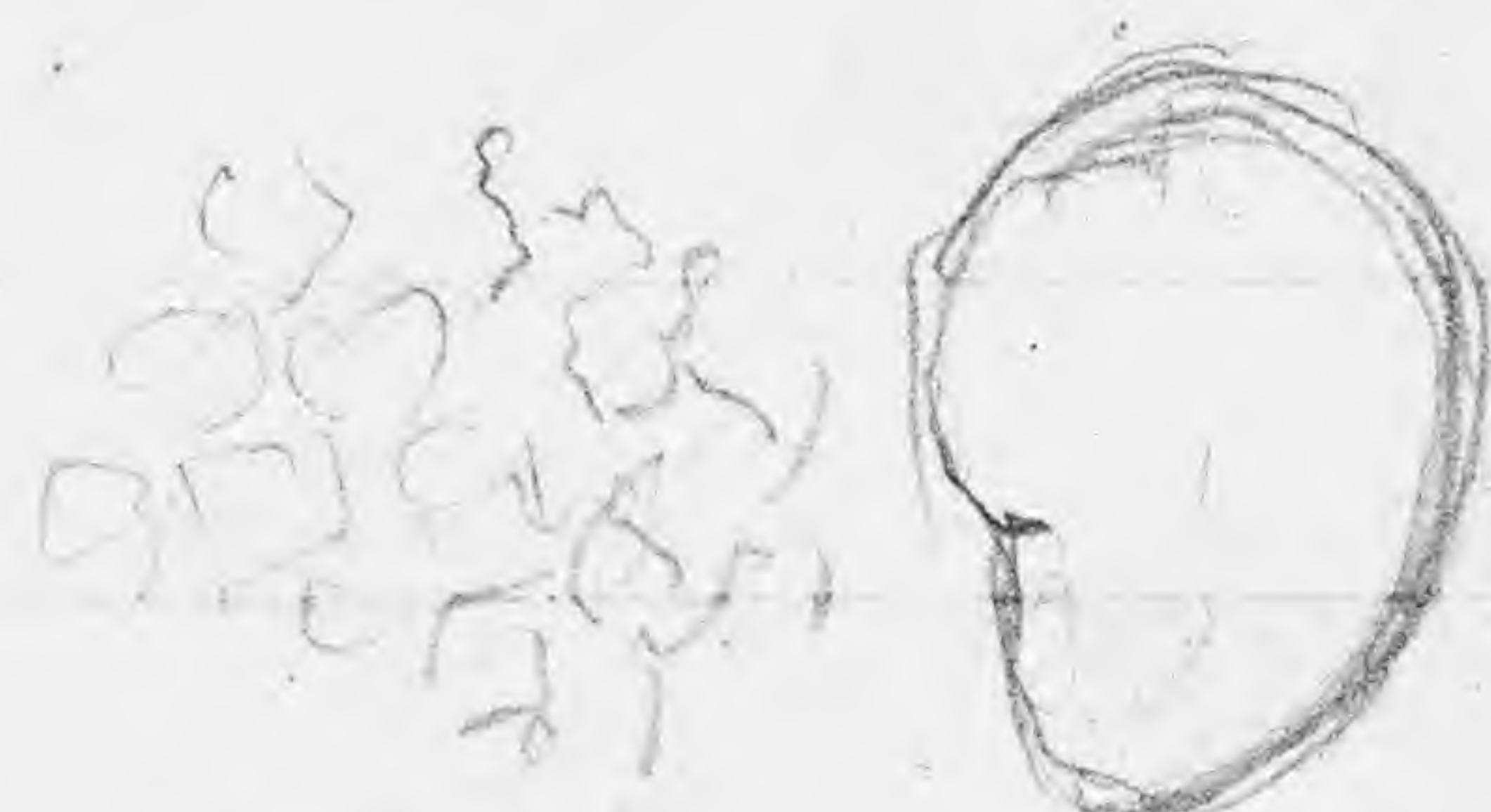
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P. willmott, Curtis N.C.



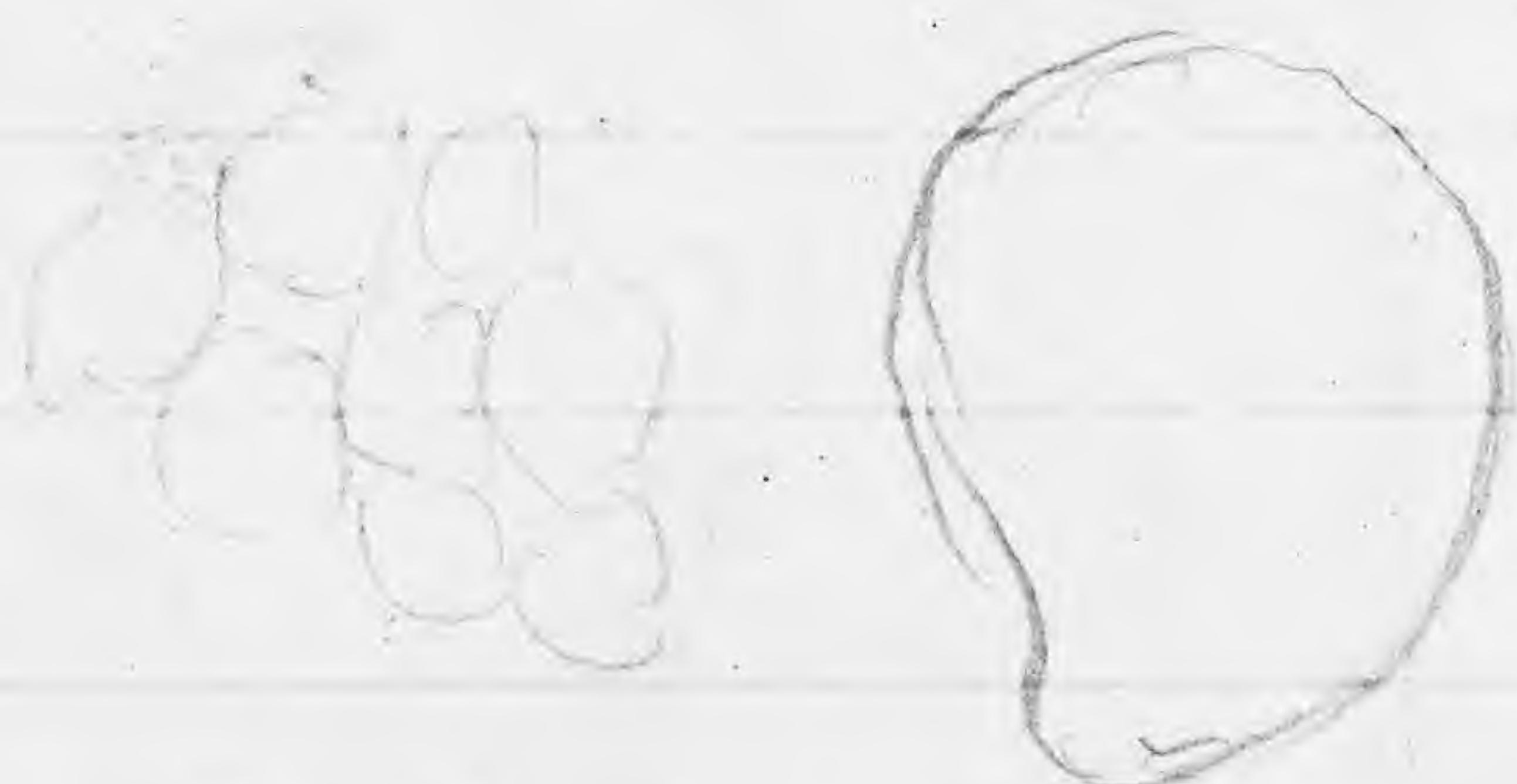
P. willmott, Goggy Pass



P. canaliculata Willm.



Ph. canaliculata, Houston
Aug 1842



Ph. canaliculata, N. Br. 1848



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Physalis edulis



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1863, Jan

see Nees Linnaea VI. p. 657
Schlecht. — XIX. 310
Kunze XX. 33

Physalis

Spec. Amer. sept. ex DC Prod. (Janal) XIII. 434

434. 1. Sect I Eurystrophia 4

x Stellato-pilosae

1. P. viscosa Lin Am. sept. & austr.

435. 2. P. glutinosa Schlecht. Mex.

3. P. Pensylvanica Lin Am. sept. Mex.

436. 4. P. tomentosa Walt Carolin Mex. Peru

An. bor.

5. P. Jacquinii Link Ph. viscosa Jacq. Pursh Ph. Canscoria Hort.

437. 6. P. Canscoria Lin xx Pilosa, pilis simplicibus

7. P. Canscoria Lin Mexico, Caracas

438. 10. P. lanceolata Michx P. Virginiana Mill. dict. Carolina

11. P. Alkekengi P. digitalifolia Tampico

439. 13. P. Elliottii Kunze P. lanceolata L. ? Florida (Engel)

14. P. Chenopodiifolia Lam. Mex. so Peru P. obscurata Desf. Fabriam

Callosa H. H.

15. P. heterophylla Nees P. nutans Wall ? P. Pensylvanica H. Willd.

Zemoune et al. 6m.

440. Sect II Epetiostrophia 6:

17. P. nyctaginea Don n. sp. Ph. obscura Torr.

§ 1. Calyx & fruitiferous clausus

x. anthers luteae, stigmas integrum

a. Corolla rotata, saepe maculata major

17. ? P. nyctaginea Don. n. sp. Ph. obscura Torr. Am. bor.

441. 20. P. dentata Tavon n. sp. Mexico

442. 21. P. viscidio-pubescent Don n. sp. Ph. obscura P. viscosa pubescens Mex. Park
New York, Carolina.

23. P. laevigata Mart & Gal. Mex.

443. 24. P. glabra Benth. Calif. infer.

25. P. missipilis Benth. Calif. infer.

b. Corolla infundibulifl. - campanula

444. 28. P. divaricata Don India - Matamona Behn. semi-pubescent



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p. 445

xx *Anthem. sonorensis* Steyerl. integra vel bifida

a. Corolla rotata later, fuscovariegata

33. *P. hirsuta* Desv. n. sp. "America"a. *longifolia* Ohio, Frankb. *repanda dentata* Ph. obscur. a. Michx. P. angulata ^{Walt.}
Ph. pruinosa Lin. Ph. N. Y. Richl. Ph. pubescens Vahl

446

v. Ph. carbadensis Juz.

34. *P. pubescens* Lin. India utique, Virginia35. *P. foetens* Poir. Mexico etc.

447

36. *P. aquatica* Juz. Mexico37. *P. longifolia* Nutt. ^{Am. Phil. Soc. 5. 173} Arkansas Tom. Bot. Soc. 153.

b. Corolla later. in macr.

38. *P. lanceifolia* Nees. Pan. Mexico

448

39. *P. linkiana* Nees. Carolina, Mexico, Pan. etc.41. *P. angulata* L. India utique [Am. bor. except]

449

c. Corolla repandibif. cuspata. maxima and

450

§. 2. Calyx fructiferus apertus. corolla later, macrata, with

44. *P. Philadelphia* Lam. *P. chenopodioides* Willd. *P. triplifolia* ^{Juz.}
P. ovata Poir. *P. megistocarpus* Juz.

P. minor Mexico.

Spec. non satis notae

45. *P. oxytomata* M. & S. Mexico47. *P. cordata* Mill. Mexico

451.

49. *P. minutiflora* M. & S. Mex.51. *P. villosa* Mill. Mex53. *P. angustifolia* Nutt. Florid Chap. p. 350. 455. *P. glabra* Mart & Gil Mex.55. *P. pedunculata* M. & S. Mex56. *P. nitandoides* Schlecht. Mex57. *P. Sancti Josephi* - Mex

452

58. *P. Walteri* Nutt. Carolina59. *P. Orizabae* - Mex60. *P. Phidiana* Mex

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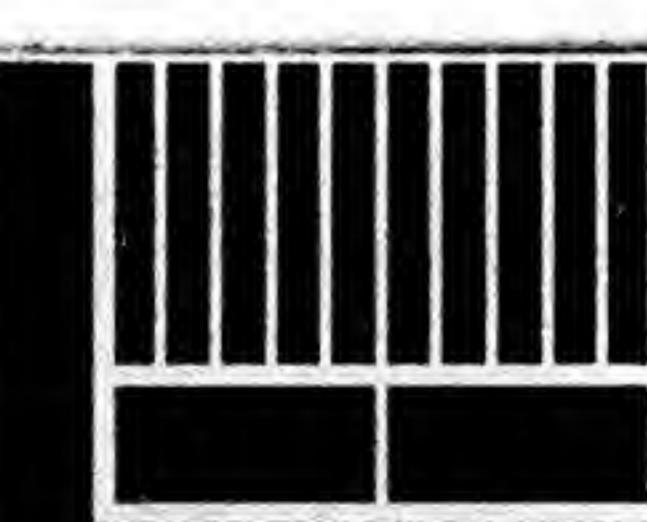
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P_oysalis lobata Torr. in Annals N.Y. N. 226 ¹⁸²⁸ Bot. B.^o 152

P. pumila Nutt. Am. Phil. Soc. 5. 193.

var Sonorae Torr Bot B.^o 153

P. laevigata Michx var. spatulifolia Torr. 62.

P. mollis Nutt Am. Phil. Soc 5. p. 193.

P. cardophylla Torr. Bot B.^o 153. Sonor, Cipon

P. maritima Curtis var? of P. laevigata f. Chaper 250



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Physalis

1. annua, glabra = (angulata Lam., und
Sprossen grün gestreut.)

= Philadelphia Lam., jdg
v. di pedunculi und jussi hirsige als bei in fur
Pflanze, und d. Blüten grün. Vollbl. L.
philad. Lam. grün polygon gelblich, aber
ein glatter Form davon.

2. annua pubescens, ^{hirsute, hirsutus} = obscura Mx. ^{hirsutus} Pips.
und Mx. in Ph. — Grüngr. v. gr. 1/2 mit Wollh.
mit d. sonst grünen Blättern

3. perennis villosa = viscosa L. und Grüngr.,
d. v. g. d. Stumpf Blättern mit einer fein
f. f.

4. perennis obscura = paesylvanica L.
d. v. g. d. Grüngr. diff. grüne und a. und
d. grün (Rush) Nachb.
laevolecta ppx.
~~11 subsp. 29 subsp. 29~~

var villosa = lanceolata Mx.
zottig und zottig d. v. orange
w. gr. d. Blättern 2 d. grün Blättern
w. auf fallend.



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3839
Physalis

Perennies

1. Ph. viscosa L'

Quarries above St Louis, Sinkholes,
west of town

B. major cresta, fol. majoribus obtusis

Sinkholes

326

g. tomentosa also tomentosa (^{non glutinosa}) sandy
banks of Arkansas river

321

2. Ph. pensylvanica L' Sinkholes, Sandy river
bank, open woods

323

B. microcalyx ~~grandiflorus~~ fl. majoribus, fol. glutinis,
subdentatis

Trot Gibson

g. major cresta, fls. ovalibus
Sinkholes

322

3. Ph. lanceolata Mx perhaps a variety of
the last, and to be called
S lasic calyx, calyx villosus
Arkansas

B. Annuae

Ph. laevis Cphia Lam

324

4. Ph. angulata L' Sandy banks of the
Mississippi

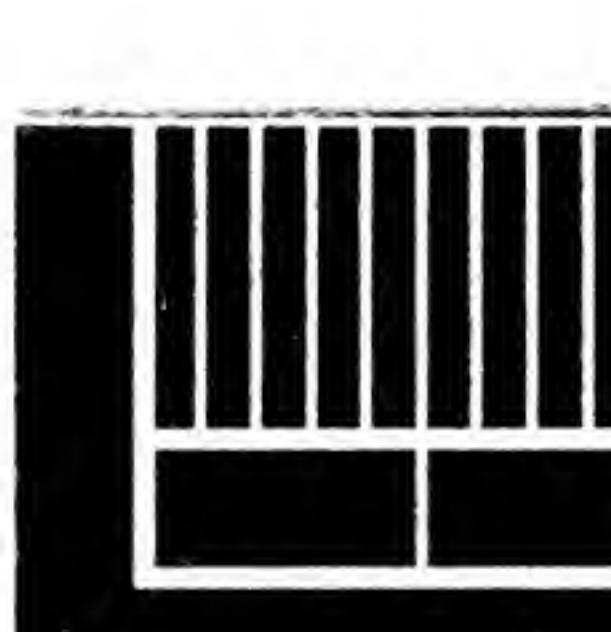
325

5. Ph. pubescens ^{hirsuta} Dunal ^{angulata} ~~hirsuta~~ Quarrries above St Louis
= angulata ~~hirsuta~~ etc.

B. parvifolia fol. subintegerr. Cahotaria

g. pubescens. = Ph. pubescens L. ??
Quarrries above town

g. major fol. magis profunde cordatis
glossa dentatis
Belleville Bluffs, sandy banks of
River



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Physalis

a. Annuæ

1. glabra (angulata L. Philadelphus Linn.)
2. pubescens (obscura Mx)

b. perenne

3. ~~viscosa~~ (viscosa Lin D)

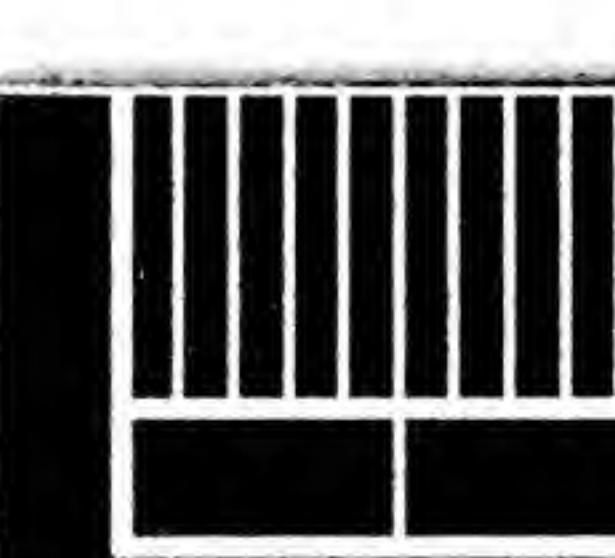
4. obscura (pensylvanica Lin, Lancolata Mx 3)
(angulata L) radix annua

1. glabra rame erecto virgato ramoso; rami

~~Apophylophora~~ rami subsecuti adpresso glabri

longe petiolatis utrigue
plus ovato lancolatis ~~apic~~
at basi auratis, l. petiolis down-
ratis, l. s. r. r. dectatis.

floribus longe pedunculatis, pedunculis
petiolis longioribus, onlyre 10 ~~glabri~~ ~~glabri~~ ~~glabri~~
10-nervis, lacinia lati ovatis, s. triangu-
laribus auratis, tubo dimidiis brevibus
volla immixtata campanulata ~~hirsutissima~~
antheme vescentes, flamenta ~~spiculata~~ ^{adspicula} ^{spiculata}
clavata, stylus capite fimbriata
onlyx pubescens ramoso - rami subsecuti
10 rami subsecuti rami subsecuti
subsecuti
brava



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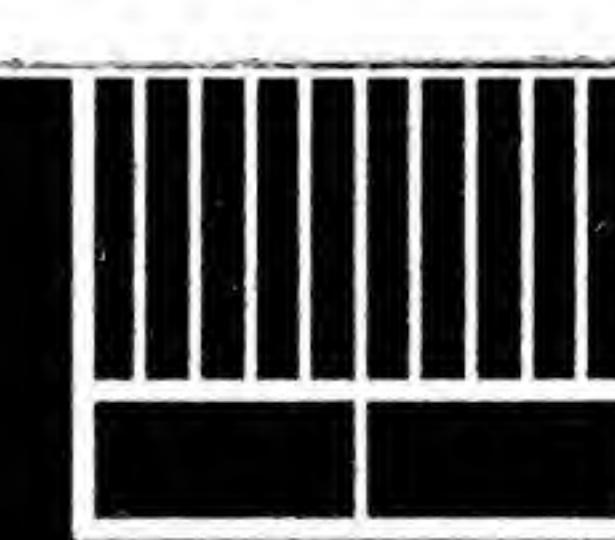
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Physalis

hus. t. Dunc
(obscurata Mx) radice perennis

2. pubescens rame patens
ramoso, ramis divaricatis; pubescens
foliis

foliis ~~longe~~ petiolatis ovatis

2. rotundatis arctis, basi truncatis

3. cordatis oblique ~~obtusis~~ lato ~~dentatis~~
irregularis

super glaberrime
sulcata ad venas
pubescens

floribus breviter pedunculatis, paucis
pedunculis petiolo ~~longioribus~~ brevibus
calyci ^{villoso} 5-nervis; lacinias

Canaliculatis arctis, tuba aequata

corolla 5-maculata, rotata, ^{labiata} stellata ad paucem
sub pubescens;

anthera ante anthes volvata, post
anthes in viride ~~caerulea~~ semidecolor filiformis

pallide volvata

Nyctemera *veridis* subcylindrica

Ligustrum *capitatum* *flavum*

calyx pubescens non reticulatus
5 carinatus

base pilosa lutes

subangustis

1. foliis minoribus, opacis, minime vallis, glabris velis, non rugosis

2. foliis majoribus, ^{angustatis} pallidis rugoso reticulatis pubescens; nervis
super supra que villosis.



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Physalis

radice perenne

3. villosa (viscosa Lin) ~~caerulea~~

patentissimo ramoso, ramis divaricatis glanduloso-vellosis

foliis ~~longis~~ pedunculatis ovatis
acutis ^{semicordatis} basi obtusis ^{inaequilateris} grossae
obtuso-dentatis ^{angustae} ^{quilescentibus}

floribus longis pedunculatis
magis pedunculis petiolatis
subaequantibus

onlyce ~~villosa~~ viscosa 10 mm
lanceis ovato-lanceolatis acutis
tuber angustibus,

corolla immarginata rotata ad faciem
inter ~~glandes~~ lacinias pubescentibus
notata

filamentis viscidis elevatis, viscosatis
antheris pallidi, florib. longis
stylos viscidis (ad basi pallidi
viscosus) subaequantibus
stigma fune late notulata

onlyce ~~viscidis~~ ^{viscidis} 10 carinato

5-~~6~~ lacinias intermedias viscosas
prominulis; stigma late

viscosa



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38H2

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[Lippia uniflora]

drawn

892' 11/20
805' 11/11

4443 variegata
2 miles west of Chihuahua



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Physalis

f. obscura (*pennsylvanica* L.) radice perenne
caule erecto ramoso rami
divaricatis, glabri & subglabri. Spese pubescentes
folia longe petiolatae magna
pedunculis, lanceolatae sordide
lanceolatae acutae, petiolatae
decurrentes glabri, integrae
(nervis percurrente s. ruita. dentata)
glabrescentes

flora longe pedunculata, magna,
pedunculis petiolatis superantibus
calyx glabri & subglabri, s. pilis
sparsis adpresso pubescens, margini ciliatus
10 nervius ^{lanceolatae} acutis, ^{subaequaliter dentatae}
acutis, ^{lanceolatae} ~~lanceolatae~~

corolla 5 meridiata rotata
ad fons inter oras a Cosa;

filamenta nonassata, elevata
violacea, anthera violacea

stylos subglandulosi, vidi
ad basi pallide violacei,
stigma minute.

calyx punctiflorus leviter rotundata
10 minuti, 5 canis intermis
~~attenuata~~ ^{attenuata} ~~subaequaliter~~ ^{subaequaliter} pubescens
pedunculis

facta



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Physalis

5.

Rudis pumilio
Cardis erectus ramosus of Cabo,
suboarnosa glabra,
foliis ^{sub}oppositis, lacinolatis, dentis crenatis, petiolis
attenuatis, repando dentis ornatiss. Sca
dantis ^{longis} parvissim majoribus
infructuosa glabra

York Gibson
Barres, June

appears to be
different from the
pennylvanica by the
calyx

foliis longe pedunculatis in terminali
pedunculis petiolis longioribus

calyx glaber, ^{minutissimis} ciliatus, (10 mm.?)
ovario vallis acuminata, tubo
duplo longioribus



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93 Legum

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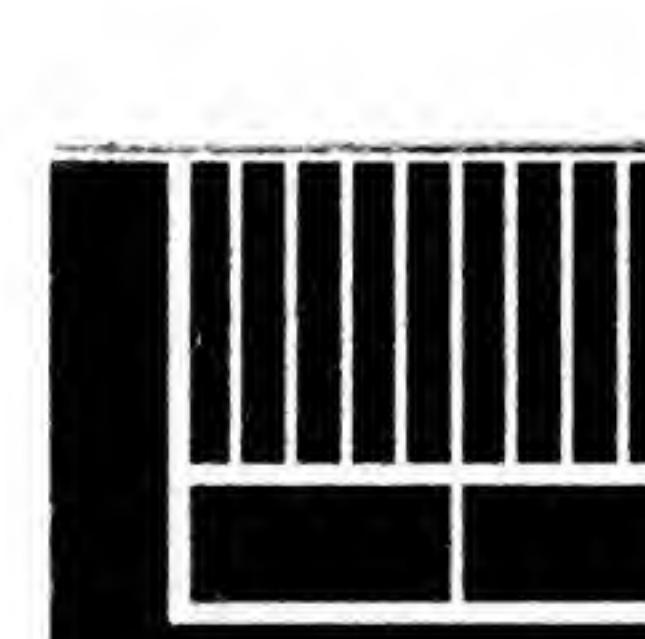
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8001 [unclear]
of short greenish
leaves are very

deep

165' 200
018 'III 11/2

2000 ft



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